

INTERNATIONAL SEARCH REPORT

Internat Application No
P B 03/05675

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H03H9/17 H03H9/13

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H03H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	EP 1 152 475 A (MITSUBISHI ELECTRIC CORP) 7 November 2001 (2001-11-07) paragraphs '0009!', '0033! figure 2 paragraph '0052! - paragraph '0054! paragraph '0064! - paragraph '0066! paragraph '0075! - paragraph '0077! ----	1-3, 5-8, 10-12 4, 9
X Y	US 5 873 154 A (PARTANEN MEERI TALVILELEI ET AL) 23 February 1999 (1999-02-23) column 2, line 12 - line 37 column 4, line 53 - line 67 ----	1, 2, 10-12 4, 9
Y	US 6 249 074 B1 (LIND THEODORE ET AL) 19 June 2001 (2001-06-19) column 5, line 1 - line 14 ----	4, 9
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

15 March 2004

Date of mailing of the international search report

16/04/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>GIBOA H ET AL: "Sequential sputter deposition of titanium nitride and aluminum"</p> <p>VMIC CONFERENCE (IEEE), 12 June 1990 (1990-06-12), pages 338-341, XP010010876 the whole document</p> <p>-----</p>	4,9

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internat

Application No

PCT/IB 03/05675

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1152475	A	07-11-2001	JP 2000209063 A	28-07-2000
			EP 1152475 A1	07-11-2001
			US 2001045793 A1	29-11-2001
			CN 1337070 T	20-02-2002
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			EP 1012889 A1	28-06-2000
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			JP 2001514456 T	11-09-2001
			WO 9910938 A1	04-03-1999